



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

647.7601

Job Sheet 202595



Part No: 647.7601

Job Qty: 8 pcs

Part Name: Lower Deflector Assembly



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 10/31/19

Job Tracking No:

Due Date: 11/8/19

Created By: Marie Lajeunesse

Type: Stock *SOLD*

Description:

Note: DWG REV NC IPP REV:A NEW ISSUE 15-08-04 JLM VERIFIED BY:DD

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation              | Qty   | Start Date | Due Date | Standard  | Workcenter/Supplier |                                 | Sign-off |
|-------|------------------------|-------|------------|----------|-----------|---------------------|---------------------------------|----------|
|       |                        |       |            |          | Setup Hrs | Run Hrs             | Workcenter / Supplier Lead Time |          |
| 110   | Packaging 1 - Pick Kit | 8 pcs | 11/8/19    |          | 0.00      | 0.00                | Packaging 1 - 1                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 2                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 3                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 4                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 5                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 6                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 7                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 8                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 9                 |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 10                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 11                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 12                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 13                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 14                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 15                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 16                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 17                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 18                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 19                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 20                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 21                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 22                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 23                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 24                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 25                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 26                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 27                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 28                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 29                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 30                |          |
|       |                        |       |            |          |           |                     | Packaging 1 - 31                |          |



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
CANADA  
TEL.: 1 613 632-5200  
Email: sales@dartaero.com  
www.dartaerospace.com

Container No: S229116



Part: 647.7601

Job No: 202595

Serial No/Batch: S229116

Revision:

Inspector:

Exp Date:

Instructions: Various STC's

Date: 11/02/19

DAS

41 NOV 03 2019

3-89

Plex 10/31/19 7:51 AM Dart.lajeunesse.marie

|     |                             |       |         |           |                        |                |
|-----|-----------------------------|-------|---------|-----------|------------------------|----------------|
| 120 | Small Fab - 2 - B4B         | 8 pcs | 11/8/19 | 0.00 2.63 | Packaging 1 - 32       |                |
|     |                             |       |         |           | Packaging 1 - 33       |                |
|     |                             |       |         |           | Packaging 1 - 34       |                |
|     |                             |       |         |           | Packaging 1 - 35       |                |
|     |                             |       |         |           | Packaging 1 - 36       |                |
|     |                             |       |         |           | Small Fab - 1 - B4B    |                |
|     |                             |       |         |           | Small Fab - 2 - B4B    |                |
|     |                             |       |         |           | Small Fab - 3 - B4B    |                |
|     |                             |       |         |           | Small Fab - 4 - B4B    |                |
|     |                             |       |         |           | Small Fab - 5 - B4B    | DAS            |
| 130 | QC 5                        | 8 pcs | 11/8/19 | 0.00 0.00 | Small Fab - 6 - B4B    | 41 NOV 03 2019 |
|     |                             |       |         |           | Small Fab - 7 - B4B    | 9-89           |
|     |                             |       |         |           | Small Fab - 8 - B4B    |                |
|     |                             |       |         |           | Small Fab - 9 - B4B    |                |
|     |                             |       |         |           | QC 5 - 10              |                |
|     |                             |       |         |           | QC 5 - 12              |                |
|     |                             |       |         |           | QC 5 - 17              |                |
|     |                             |       |         |           | QC 5 - 18              |                |
|     |                             |       |         |           | QC 5 - 19              |                |
|     |                             |       |         |           | QC 5 - 22              |                |
| 140 | Packaging 3-1 - Stock - B4B | 8 pcs | 11/8/19 | 0.00 0.00 | QC 5 - 24              |                |
|     |                             |       |         |           | QC 5 - 3               |                |
|     |                             |       |         |           | QC 5 - 43              |                |
|     |                             |       |         |           | QC 5 - 49              |                |
|     |                             |       |         |           | QC 5 - 51              |                |
|     |                             |       |         |           | QC 5 - 58              | DAS            |
|     |                             |       |         |           | QC 5 - 68              | NOV 18 2019 68 |
|     |                             |       |         |           | QC 5 - 9               | 9-89           |
|     |                             |       |         |           | QC 5 - 50              |                |
|     |                             |       |         |           | QC 5 - 30              |                |
|     |                             |       |         |           | QC 5 - 40              |                |
|     |                             |       |         |           | QC 5 - 61              |                |
|     |                             |       |         |           | QC 5 - 81              |                |
|     |                             |       |         |           | Packaging 3 - 1 - B4B  |                |
|     |                             |       |         |           | Packaging 3 - 2 - B4B  |                |
|     |                             |       |         |           | Packaging 3 - 3 - B4B  | DAS            |
|     |                             |       |         |           | Packaging 3 - 4 - B4B  | 74 NOV 20 2019 |
|     |                             |       |         |           | Packaging 3 - 5 - B4B  | 9-89           |
|     |                             |       |         |           | Packaging 3 - 6 - B4B  |                |
|     |                             |       |         |           | Packaging 3 - 7 - B4B  |                |
|     |                             |       |         |           | Packaging 3 - 8 - B4B  |                |
|     |                             |       |         |           | Packaging 3 - 9 - B4B  |                |
|     |                             |       |         |           | Packaging 3 - 10 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 11 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 12 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 13 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 14 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 15 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 16 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 17 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 18 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 19 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 20 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 21 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 22 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 23 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 24 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 25 - B4B |                |
|     |                             |       |         |           | Packaging 3 - 26 - B4B |                |
|     |                             |       |         |           |                        |                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            |                        |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|----------------------------|------------------------|-------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 27 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 28 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 29 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 30 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 31 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 32 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 33 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 34 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 35 - B4B |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | Packaging 3 - 36 - B4B |             |
| 150 QC 21 - SA                                                                                                                                                                                                                                                                                                                                                                                                                       | 8 pcs                 | 11/8/19         | 0.00 0.00                  | QC 21 - SA - 21        | <b>DAS</b>  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | QC 21 - SA - 70        | <b>21</b>   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      |                       |                 |                            | QC 21 - SA - 53        | <b>5-59</b> |
| <p>Part Op 110 - Pick Kit</p> <p>Descriptions: 120 - Small Fab - Assemble as per dwg and apply loctite 598 on all faying surfaces per note 5.524075 step 1/21</p> <p>130 - QC5- Inspect part completeness to step on W/O</p> <p>140 - Identify as per dwg &amp; Stock Location: <u>                    </u> ***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***</p> <p>150 - QC21- Final Inspection - Work Order Release</p> |                       |                 |                            |                        |             |
| <b>Job BOM</b>                                                                                                                                                                                                                                                                                                                                                                                                                       |                       |                 |                            |                        |             |
| <b>Part / Item</b>                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Component Name</b> | <b>Quantity</b> | <b>Operation</b>           | <b>Container</b>       |             |
| 647.7611                                                                                                                                                                                                                                                                                                                                                                                                                             | Lower Deflector       | 8 pcs (1 ea)    | 110-Packaging 1 - Pick Kit | 5115084                |             |
| 647.7612                                                                                                                                                                                                                                                                                                                                                                                                                             | Breakaway Tip         | 8 pcs (1 ea)    | 110-Packaging 1 - Pick Kit | 5111684                |             |
| MS20470AD6-14                                                                                                                                                                                                                                                                                                                                                                                                                        | Rivet                 | 16 Ea (2 ea)    | 110-Packaging 1 - Pick Kit | M123284                |             |
| <b>Job Allocations</b>                                                                                                                                                                                                                                                                                                                                                                                                               |                       |                 |                            |                        |             |
| <b>Operation</b>                                                                                                                                                                                                                                                                                                                                                                                                                     | <b>Component Part</b> | <b>Required</b> | <b>Inventory</b>           | <b>Allocated</b>       |             |
| 110-Packaging 1 - Pick Kit                                                                                                                                                                                                                                                                                                                                                                                                           | 647.7611              | 8               | 32                         | 0                      |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | 647.7612              | 8               | 40                         | 0                      |             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                      | MS20470AD6-14         | 16              | 288                        | 0                      |             |
| <b>Part Specifications</b>                                                                                                                                                                                                                                                                                                                                                                                                           |                       |                 |                            |                        |             |
| Specifications could not be found.                                                                                                                                                                                                                                                                                                                                                                                                   |                       |                 |                            |                        |             |

Plex 10/31/19 7:51 AM Dart.lajeunesse.marie



Entered: \_\_\_\_\_ Date: \_\_\_\_\_ **WORK ORDER NON-CONFORMANCE / ROUTE UPDATE**

Route update only

NCR No. \_\_\_\_\_

| DISPOSITION                                                                                                                                                                                                                                                                                                                                                    |                                                                                                         | DEPARTMENT/PROCESS                                                                                                                                                                                                                                                                                                           |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Job: _____                                                                                                                                                                                                                                                                                                                                                     | Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/> | Skid-tube <input type="checkbox"/><br>Machining <input type="checkbox"/><br>Large Fab <input type="checkbox"/>                                                                                                                                                                                                               | Cross tube <input type="checkbox"/><br>Small Fab <input type="checkbox"/><br>Finishing <input type="checkbox"/> | Eng. (Non-AW) <input type="checkbox"/><br>Prod. Eng. Coord. <input type="checkbox"/><br>Rec/Store/Packaging <input type="checkbox"/> | Engineering <input type="checkbox"/><br>Water Jet <input type="checkbox"/><br>Supplier <input type="checkbox"/><br>Quality <input type="checkbox"/> |
| Date: _____                                                                                                                                                                                                                                                                                                                                                    | Sequence #: _____                                                                                       | QTY Affected: _____                                                                                                                                                                                                                                                                                                          |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
| Description Work Order Deviation                                                                                                                                                                                                                                                                                                                               |                                                                                                         | Disposition                                                                                                                                                                                                                                                                                                                  |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         | Completed By                                                                                                                                                                                                                                                                                                                 |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         | Lead hand / Supervisor                                                                                                                                                                                                                                                                                                       |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         | QC / QA Coordinator                                                                                                                                                                                                                                                                                                          |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
| Root Cause                                                                                                                                                                                                                                                                                                                                                     |                                                                                                         | FAULT CATEGORY                                                                                                                                                                                                                                                                                                               |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
| Operator <input type="checkbox"/><br>Manufacturing Process <input type="checkbox"/><br>Equip/Tooling <input type="checkbox"/><br>Handling/Preservation <input type="checkbox"/><br>Material <input type="checkbox"/><br>Product Improvement <input type="checkbox"/><br>Process Improvement <input type="checkbox"/><br>Human Factors <input type="checkbox"/> |                                                                                                         | Positioned Wrong <input type="checkbox"/><br>Outside Tolerance <input type="checkbox"/><br>Drawing <input type="checkbox"/><br>Finish <input type="checkbox"/><br>Part Lost/Missing <input type="checkbox"/><br>Misread <input type="checkbox"/>                                                                             |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         | Power Loss/Surge <input type="checkbox"/><br>Folio/Program <input type="checkbox"/><br>Grain Direction <input type="checkbox"/><br>Weld <input type="checkbox"/><br>Wrong Stock Pulled <input type="checkbox"/><br>Out of Sequence <input type="checkbox"/><br>Off-set/Set-up <input type="checkbox"/>                       |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         | Contamination <input type="checkbox"/><br>Misaligned/off center <input type="checkbox"/><br>BOM/Route <input type="checkbox"/><br>Broken/Damage/Defect <input type="checkbox"/><br>Incomplete/Unclear Instructions <input type="checkbox"/><br>Drill Holes <input type="checkbox"/><br>Fit/Function <input type="checkbox"/> |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |
|                                                                                                                                                                                                                                                                                                                                                                |                                                                                                         | Pressure/Forced <input type="checkbox"/><br>Bending <input type="checkbox"/><br>Crushing <input type="checkbox"/><br>Cracks <input type="checkbox"/><br>Crimp/Kink/Ripple/Wave/Twist <input type="checkbox"/><br>Marks/Chatter <input type="checkbox"/><br>Mislabeled <input type="checkbox"/><br>Other/Details: _____       |                                                                                                                 |                                                                                                                                      |                                                                                                                                                     |